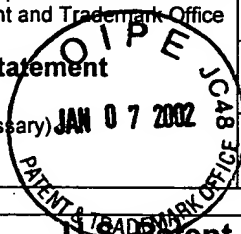


Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10287-067001	Application No. 09/755,830
	Applicant Katia Georgopoulos			
	Filing Date January 5, 2001	Group Art Unit 1632		



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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
gw	AA	07/946,233	09/92	Georgopoulos			
	AB	08/121,438	09/93	Georgopoulos			
	AC	08/238,212	05/94	Georgopoulos			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
gw	AD	WO 94/06814	3/31/94	PCT				
gw	AE	WO 97/09419	3/13/97	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
gw	AF	Adams, B. et al. "Pax-5- encodes the transcription factor BSAP and is expressed in B lymphocytes, the developing CNS, and adult testis" <i>Genes & Development</i> 6: 1589-1607 (1992);
	AG	Akbar, A.N. et al. "A possible role for <i>bcl-2</i> in regulating T-cell memory - a 'balancing act' between cell death and survival" <i>Immunology Today</i> 14(11): 526-531 (1993);
	AH	Ardavin, C. et al. "Thymic dendritic cells and T cells develop simultaneously in the thymus from a common precursor population" <i>Nature</i> 362: 761-763 (1993);
	AI	Asarnow, D.M. et al. "Limited Diversity of $\gamma\delta$ Antigen Receptor Genes of Thy-1 ⁺ Dendritic Epidermal Cells" <i>Cell</i> 55: 837-847 (2 December 1988);
	AJ	Beg, A.A. et al. "The I κ B proteins: multifunctional regulators of Rel/NF- κ B transcription factors" <i>Genes & Development</i> 7: 2064-2070 (1993);
	AK	Bigby, M. et al. "Ratio of Langerhan Cells to Thy-1 ⁺ Dendritic Epidermal Cells in Murine Epidermis Influences the Intensity of Contact Hypersensitivity" <i>The Journal of Investigative Dermatology</i> 89(5): 495-499 (November 1987);
	AL	Boise, L.H. et al. " <i>bcl-x</i> , a <i>bcl-2</i> -Related Gene that Functions as a Dominant Regulator of Apoptotic Cell Death" <i>Cell</i> 74: 597-608 (1993);
	AM	Bours, V. et al. "The Oncoprotein Bcl-3 Directly Transactivates through κ B Motifs via Association with DNA-Binding p50B Homodimers" <i>Cell</i> 72: 729-739 (1993);
	AN	Cepko, C.L. et al "Construction and Applications of a Highly Transmissible Murine Retrovirus Shuttle Vector" <i>Cell</i> 37: 1053-1062 (1984);
	AO	Clevers, H.C. et al. "Transcription factors in early T-cell development" <i>Immunology Today</i> 14(2): 591-596 (1993);
	AP	Connelly, C.S. et al. "The Role of Transgenic Animals in the Analysis of Various Biological Aspects of Normal and Pathologic States" <i>Experimental Cell Research</i> 183: 257-276 (1989);

Examiner Signature 	Date Considered 5/14/03
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

10287-067001

Application No.

09/755,830

Information Disclosure Statement
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Applicant

Katia Georgopoulos

Filing Date

January 5, 2001

Group Art Unit

1632

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
9w	AQ	Delwel, R. et al. "Four of the Seven Zinc Fingers of the <i>Evi-1</i> Myeloid-Transforming Gene Are Required for Sequence-Specific Binding to GA(C/T)AAGA(T/C)AAGATAA, <i>Molecular and Cellular Biology</i> 13(7): 4291-4300 (1993);
	AR	Ehlich, A. et al. "Immunoglobulin Heavy and Light Chain Genes Rearrange Independently at Early Stages of B Cell Development" <i>Cell</i> 72: 695-704 (1993);
	AS	Fife, A. et al. "Gram negative septicaemia diagnosed on peripheral blood smear appearances" <i>Journal of Clinical Pathology</i> 47: 82-84 (1994);
	AT	Fleming, W.H. et al. "Functional Heterogeneity Is Associated with the Cell Cycle Status of Murine Hematopoietic Stem Cells" <i>J. Cell Biol.</i> 122: 897-902 (1993);
	AU	Franzoso, G. et al. "The oncoprotein Bcl-3 can facilitate NF- κ B-mediated transactivation by removing inhibiting p50 homodimers from select κ B sites" <i>The EMBO Journal</i> , Vol. 12, no. 10 3893-3901 (1993);
	AV	Furley, A.J. et al. "Developmentally Regulated Rearrangement and Expression of Genes Encoding the T Cell Receptor-T3 Complex" <i>Cell</i> , Vol. 46: 75-87 (July 1986);
	AW	Garni-Wagner, B.A. et al. "Natural Killer Cells in the Thymus" <i>The Journal of Immunology</i> 144 (3): 796-803 (1990);
	AX	Georgopoulos, K. et al. "The Ikaros Gene is Required for the Development of all Lymphoid Lineages" <i>Cell</i> 79, 143-156 (1994)
	AY	Georgopoulos, K. "Ikaros an Early Lymphoid Restricted Regulatory Protein a Putative Mediator For T Cell Specification" <i>Biochem. Suppl.</i> 0 (17 Part A): 158, B 631 (1993);
	AZ	Georgopoulos, K. et al. "Functionally Distinct Isoforms of the CRE-BP DNA-Binding Protein Mediate Activity of a T-Cell-Specific Enhancer" <i>Molecular and Cellular Biology</i> 12(2): 747-757 (February 1992);
	AAA	Georgopoulos, K. et al. "Ikaros, an Early Lymphoid-Specific Transcription Factor and a Putative Mediator for T Cell Commitment" <i>Science</i> 258: 808-812 (October 1992);
	ABB	Georgopoulos, K. et al. "A T cell-specific enhancer is located in a DNase I-hypersensitive area at the 3' end of the CD3- δ gene" <i>The EMBO Journal</i> 7(8): 2401-2407 (August 1988);
	ACC	Georgopoulos, K. et al. "Tissue-specific nuclear factors mediate expression of the CD3 δ gene during T cell development" <i>The EMBO Journal</i> 9(1): 109-115 (January 1990);
	ADD	Godfrey, D.I. and A. Zlotnik "Control points in early T-cell development" <i>Immunology Today</i> 14(11): 547-553 (1993);
	AEE	Gogos, J.A. et al. "Sequence Discrimination by Alternately Spliced Isoforms of a DNA Binding Zinc Finger Domain" <i>Science</i> 257: 1951-1955 (1992);
	AFF	Hackett, Jr., J. et al. "Origin and Differentiation of Natural Killer Cells" <i>The Journal of Immunology</i> 136(8): 3124-3131 (1986);
	AGG	Hackett, Jr., J. et al. "Transplantable progenitors of natural killer cells are distinct from those of T and B lymphocytes" <i>Proc. Natl. Acad. Sci USA</i> 83: 3427-3431 (1986);
	AHH	Hardy, R.R. et al. "Resolution and Characterization of Pro-B and Pre-Pro-B Cell Stages in Normal Mouse Bone Marrow" <i>J. Exp. Med.</i> 173: 1213-1225 (May 1991);
jc	AII	Havran, W.L. and J.P. Allison. "Developmentally ordered appearance of thymocytes expressing different T-cells antigen receptors" <i>Nature</i> 335: 443-445 (1988);

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Date Considered

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Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10287-067001Application No.
09/755,830

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Information Disclosure Statement
by Applicant

(Use several sheets if necessary)

Applicant
Katia GeorgopoulosFiling Date
January 5, 2001Group Art Unit
1632

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
9W	AJJ	Havran, W.L. and J.P. Allison "Origin of Thy-1+ dendritic epidermal cells of adult mice from fetal thymic precursors" <i>Nature</i> 344: 68-70 (1990);
	AKK	Havran, W.L. et al. "Limited diversity of T-cell receptor γ -chain expression of murine Thy-1+ dendritic epidermal cells revealed by V γ 3-specific monoclonal antibody" <i>Proc. Natl. Acad. Sci. USA</i> 86: 4185-4189 (1989);
	ALL	Haynes, B. et al. "Ontogeny of T-cell precursors: a model for the initial stages of human T-cell development" <i>Immunology Today</i> 10(3): 87-90 (1989);
	AMM	Hestdal, K. et al. "Characterization and Regulation of RB6-8C5 Antigen Expression on Murine Bone Marrow Cells" <i>J. Immunol.</i> 147(1): 22-28 (1 July 1991);
	ANN	Ho, I.-C. et al. "Human GATA-3: a lineage-restricted transcription factor that regulates the expression of the T cell receptor α gene" <i>The EMBO Journal</i> 10(5): 1187-1192 (1991);
	AOO	Ho, I.-C. et al. "Sequence-Specific Binding of Human Ets-1 to the T Cell Receptor α Gene Enhancer" <i>Science</i> 250: 814-818 (1990);
	APP	Hsu, T. et al. "Multiple Zinc Finger Forms Resulting from Developmentally Regulated Alternative Splicing of a Transcription Factor Gene" <i>Science</i> 257: 1946-1950 (1992);
	AQQ	Ikuta, K. et al. "A Developmental Switch in Thymic Lymphocyte Maturation Potential Occurs at the Level of Hematopoietic Stem Cells" <i>Cell</i> 62: 863-874 (1990);
	ARR	Ikuta, K. et al. "Lymphocyte Development From Stem Cells" <i>Annu. Rev. Immunol.</i> 10: 759-783 (1992);
	ASS	Jiang, J. and M. Levine "Binding Affinities and Cooperative Interactions with bHLH Activators Delimit Threshold Responses to the Dorsal Gradient Morphogen" <i>Cell</i> 72: 741-752 (1993);
	ATT	Juhlin, L. and W.B. Shelley "New Staining Techniques for the Langerhans Cell" <i>Acta Dermatovenereol</i> 57: 289-296 (1977);
	AUU	Kang, S.-M. et al. "NF- κ B Subunit Regulation in Nontransformed CD4 ⁺ T Lymphocytes" <i>Science</i> 256: 1452-1456 (1992);
	AVV	Karasuyama, H. et al. "The Expression of V _{pre-B} / λ 5 Surrogate Light Chain in Early Bone Marrow Precursor B Cells of Normal and B Cell-Deficient Mutant Mice" <i>Cell</i> 77: 133-143 (8 April 1994);
	AWW	Lagasse, E. and I.L. Weissman "BCL-2 Transgene Inhibits Neutrophils Cell Death But Not Their Engulfment By Microphages" <i>J. Biochem.</i> 0 (Suppl. 17D): 168 (13-31 March 1993);
	AXX	Leiden, J.M. "Transcriptional regulation during T-cell development: The α TCR gene as a molecular model" <i>Immunology Today</i> 13(1): 22-30 (January 1992);
	AYY	Lenardo, M.J. and D. Baltimore "NF- κ B: A Pleiotropic Mediator of Inducible and Tissue-Specific Gene Control" <i>Cell</i> 58: 227-229 (1989);
	AZZ	Li, E. et al. "Targeted Mutation of the DNA Methyltransferase Gene Results in Embryonic Lethality" <i>Cell</i> 69: 915-926 (1992);
	AAAA	Li, Y.-S. et al. "The Regulated Expression of B Lineage Associated Genes during B Cell Differentiation in Bone Marrow and Fetal Liver" <i>J. Exp. Med.</i> 178: 951-960 (1993);
	ABBB	Liang, P. et al. "Distribution and cloning of eukaryotic mRNAs by means of differential display: refinements and optimization" <i>Nucleic Acids Research</i> 21(14): 3269-3275 (1993);

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Substitute Disclosure Form (PTO-1449)

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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Katia Georgopoulos	
		Filing Date January 5, 2001	Group Art Unit 1632

Other Documents (include Author, Title, Date, and Place of Publication)

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7W	ACCC	Mann, R. et al. "Construction of a Retrovirus Packaging Mutant and Its Use to Produce Helper-Free Defective Retrovirus" <i>Cell</i> 33: 153-159 (1993);
	ADDD	Martin, D.I.K. et al. "Expression of an erythroid transcription factor in megakaryocytic and mast cell lineages" <i>Nature</i> 344: 444-447 (1990);
	AEEE	McDonnell, T.J. and S.J. Korsmeyer "Progression from lymphoid hyperplasia to high-grade malignant lymphoma in mice transgenic for the t(14;18)" <i>Nature</i> 349: 254-256 (1991);
	AFFF	McDonnell, T.J. et al. "bcl-2-Immunoglobulin Transgenic Mice Demonstrate Extended B Cell Survival and Follicular Lymphoproliferation" <i>Cell</i> 57: 79-88 (1989);
	AGGG	Metcalfe, D. "The molecular control of cell division, differentiation commitment and maturation in haemopoietic cells" <i>Nature</i> 339:27-30 (1989);
	AHHH	Mombaerts, P. et al. "RAG-1-Deficient Mice Have No Mature B and T Lymphocytes" <i>Cell</i> 68: 869-877 (1992);
	AIII	Mucenski, M.L. et al. "A Functional c-myb Gene is Required for Normal Murine Fetal Hepatic Hematopoiesis" <i>Cell</i> 65: 677-689 (1991);
	AJJJ	Oltvai, Z.N. et al. "Bcl-2 Heterodimerizes In Vivo with a Conserved Homolog, Bax, That Accelerates Programmed Cell Death" <i>Cell</i> 74: 609-619 (1993);
	AKKK	Oosterwegel, M. et al. "Cloning of Murine TCF-1, a T Cell-specific Transcription Factor Interacting with Functional Motifs in the CD3- ϵ and T Cell Receptor α Enhancers" <i>J. Exp. Med.</i> 173: 1133-1142 (May 1991);
	ALLL	Oosterwegel, M. et al. "Differential expression of the HMG box factors TCF-1 and LEF-1 during murine embryogenesis" <i>Development</i> 118: 439-448 (1993);
	AMMM	Philpott, K.L. et al. "Lymphoid Development in Mice Congenitally Lacking T Cell Receptor α β -Expressing Cells" <i>Science</i> 256: 1448-1452 (5 June 1992);
	ANNN	Raulet, D.H. et al. "Control of $\gamma\delta$ T-Cell Development" <i>Immunological Reviews</i> 120:185-204 (1991);
	AOOO	Read, D. and J.L. Manley "Alternatively spliced transcripts of the <i>Drosophila</i> tramtrack gene encode zinc finger proteins with distinct DNA binding specificities" <i>The EMBO Journal</i> 11(3): 1035-1044 (1992);
	APPP	Rodewald, H.-R. et al. "A Population of Early Fetal Thymocytes Expressing Fc γ RII/III Contains Precursors of T Lymphocytes and Natural Killer Cells" <i>Cell</i> 69: 139-150 (1992);
	AQQQ	Rolink, A. and F. Melchers "Molecular and Cellular Origins of B Lymphocyte Diversity" <i>Cell</i> 66: 1061-1094 (1991);
	ARRR	Rudnicki, M.A. et al. "Inactivation of MyoD in Mice Leads to Up-Regulation of the Myogenic HLH Gene Myf-5 and Results in Apparently Normal Muscle Development" <i>Cell</i> 71: 383-390 (1992);
	ASSS	Sawyers, C.L. et al. "Leukemia and the Disruption of Normal Hematopoiesis" <i>Cell</i> 64: 337-350 (1991);
	ATTT	Sentman, C.L. et al. "bcl-2 Inhibits Multiple Forms of Apoptosis but Not Negative Selection in Thymocytes" <i>Cell</i> 67: 879-888 (1991);
	AUUU	Shinkai, Y. et al. "RAG-2-Deficient Mice Lack Mature Lymphocytes Owing to Inability to Initiate V(D)J Rearrangement" <i>Cell</i> 68: 855-867 (1992);

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Joe Winters

Date Considered

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		Filing Date January 5, 2001	Group Art Unit 1632

Other Documents (include Author, Title, Date, and Place of Publication)

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96	AVVV	Singh, H. et al. "Molecular Cloning of an Enhancer Binding Protein: Isolation by Screening of an Expression Library with a Recognition Site DNA" <i>Cell</i> 52: 415-423 (12 February 1988);
	AWWW	Skeath, J.B. et al. "Gene regulation in two dimensions" the proneural <i>achaete</i> and <i>scute</i> genes are controlled by combinations of axis-patterning genes through a common intergenic control region" <i>Genes & Development</i> 6: 2606-2619 (1992);
	AXXX	Spangrude, G.J. "Enrichment of murine haemopoietic stem cells: diverging roads" <i>Immunology Today</i> 10(10): 344-350 (1989);
	AYYY	Spangrude, G.J. et al. "Purification and Characterization of Mouse Hematopoietic Stem Cells" <i>Science</i> 241:58-62 (1 July 1988);
	AZZZ	Spanopoulou, E. et al. "Functional immunoglobulin transgenes guide ordered B-cell differentiation in Rag-1-deficient mice" <i>Genes & Development</i> 8: 1030-1042 (1994);
	AAAAA	Travis, A. et al. "LEF-1, a gene encoding a lymphoid-specific with protein, an HMG domain, regulates T-cell receptor α enhancer function" <i>Genes & Development</i> 5: 880-894 (1991);
	ABBBB	Turner, Jr., C.A. et al. "Blimp-1, a Novel Zinc Finger-Containing Protein that Can Drive the Maturation of B Lymphocytes into Immunoglobulin-Secreting Cells" <i>Cell</i> 77: 297-306 (22 April 1994);
	ACCCC	van de Wetering, M. et al. "Identification and cloning of TCF-1, a T lymphocyte-specific transcription factor containing a sequence-specific HMG box" <i>The EMBO Journal</i> 10(1): 123-132 (1991);
	ADDDD	von Boehmer, H. "The Developmental Biology of T Lymphocytes" <i>Ann. Rev. Immunol.</i> 6: 309-326 (1988);
	AEEEE	Waterman, M.L. et al. "A thymus-specific member of the HMG protein family regulates the human T cell receptor α enhancer" <i>Genes & Development</i> 5: 656-669 (1991);
	AFFFF	Weintraub, H. "The MyoD Family and Myogenesis: Redundancy, Networks, and Thresholds" <i>Cell</i> 75: 1241-1244 (31 December 1993);
	AGGGG	Xu, Y. et al. "LH-2: A LIM/homeodomain gene expressed in developing lymphocytes and neural cells" <i>Proc. Natl. Acad. Sci. USA</i> 90: 227-231 (1993);
	AHHHH	Yokoyama, W.M. "Flow Cytometry Analysis Using the Becton Dickinson FACScan" in <i>Current Protocols in Immunology</i> , J.E. Coligan et al. (Eds.), Brooklyn, NY: Greene Publishing Associates, 5.4.1-5.4.14 (1992);
	AIIII	Zervos, A.S. et al. "Mxi1, a Protein that Specifically Interacts with Max to Bind Myc-Max Recognition Sites" <i>Cell</i> 72: 223-232 (1993).
	AJJJJ	
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	AMMMM	
	ANNNN	

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